

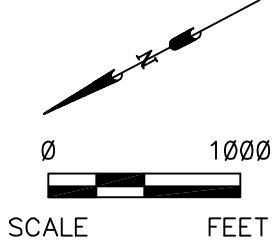
FILE: P:\ENVIRONMENTAL\SAUGET AREA 1 RI REPORT\FIG 5-37 1,2-DICHLOROETHENE ISOCONCENTRATION MAP - MHU.DWG Last edited: 05/19/09 @ 12:40 p.m. WC-ST LOUIS, MO

CONTOUR LEGEND

- 10 - 99 ppb
  - 100 - 999 ppb
  - 1,000 - 9,999 ppb
  - 10,000 - 99,999 ppb
  - ≥100,000 ppb
- LOG OF 10 = 1  
LOG OF 100 = 2  
LOG OF 1,000 = 3  
LOG OF 10,000 = 4  
LOG OF 100,000 = 5

- 1 LOGARITHMIC CONCENTRATION CONTOUR
- MEDIUM FROM ELEVATION 380 TO 340 FT (NAVD 88)
- PIEZOMETER CLUSTER (2004 SA2 RI)
  - GROUNDWATER PROFILING LOCATION (2004 SA2 RI)
  - GROUNDWATER PROFILING LOCATION (2005/2006 SA2 SUPPLEMENTAL INVESTIGATION PHASE 1 AND 2)
  - GROUNDWATER PROFILING LOCATION (SA1)
  - MONITORING WELL LOCATIONS

- NOTES:
- A) CONSTITUENT CONCENTRATIONS GREATER THAN THE LABORATORY REPORTING LIMIT CORRESPONDING TO EACH LOCATION ARE PRESENTED IN BLUE NEXT TO THE SAMPLE LOCATION. AT SAMPLING LOCATIONS WITH NON-DETECT RESULTS, CONCENTRATIONS ARE GIVEN AS < REPORTING LIMIT AND SHOWN IN GREEN. FOR THOSE LOCATIONS WITH NON-DETECT RESULTS AT A LABORATORY REPORTING LIMIT LESS THAN OR EQUAL TO 5 ppb, 1/2 OF THE REPORTING LIMIT WAS USED TO GENERATE THE CONCENTRATION CONTOURS. NON-DETECT LABORATORY RESULTS HAVING A REPORTING LIMIT GREATER THAN 5 ppb WERE NOT USED TO GENERATE THE CONCENTRATION CONTOURS.
  - B) LOCATIONS THAT ARE GREY SCALED ARE LOCATED WITHIN THIS HYDROLOGIC UNIT, BUT WERE NOT SAMPLED.
  - C) THE BASE-10 LOGARITHM OF EACH CONCENTRATION WAS USED TO GENERATE THE CONTOUR LINES.
  - D) PRELIMINARY, SOFTWARE-GENERATED DRAFT. EDITED BASED ON PROFESSIONAL JUDGEMENT.
  - E) AT LOCATIONS WITH MULTIPLE SAMPLES, THE HIGHEST CONCENTRATION WAS USED.
  - F) VALVES REPORTED ARE TOTAL 1,2-DICHLOROETHENE, HOWEVER, IT IS BELIEVED THAT THE CONCENTRATIONS ARE LARGELY CIS-1,2-DICHLOROETHENE. (SEE REPORT).



SAUGET AREA 1 REMEDIAL INVESTIGATION REPORT SAUGET AND CAHOKIA, ILLINOIS		PROJECT NO. 21562123
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DRN. BY: lrm 6/11/09 DSGN. BY: ekf CHKD. BY:	1,2-Dichloroethene Isoconcentration Map-MHU	FIG. NO. 5-37